



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,228	04/01/2004	Thomas Robbins Tipton	839-1533	5380

30024 7590 10/19/2005

NIXON & VANDERHYE P.C.
901 NORTH GLEBE ROAD, 11TH FLOOR
ARLINGTON, VA 22203

EXAMINER

WHITE, DWAYNE J

ART UNIT PAPER NUMBER

3745

DATE MAILED: 10/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Specification

The disclosure is objected to because of the following informalities:

On page 8, line 10, Applicant recites “as best illustrated in Figures 2 and 5”. Applicant has not submitted a Figure 5 in the drawings. The Examiner believes Applicant intended to cite Figure 4.

Appropriate correction is required.

Claim Objections

Claim 1 is objected to because of the following informalities:

On line 1, “compressor blade” should be --compressor blade comprising--.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Barr et al. (6,019,580). Barr et al. disclose a compressor blade 30 comprising an airfoil 34 having a leading edge and trailing edge, a base attachment 38 having side faces between end faces and a platform 36 having flanges projecting from opposite sides of the blade and cantilevered over at least

Art Unit: 3745

portions of the side faces. The airfoil is carried by the platform with the leading edge overlying a portion of the flange along the pressure side of the blade. Further the end faces of the base attachment face opposite generally axial directions. The side faces have discrete angled and linear wall extending in a generally axial direction.

Claims 1 and 3-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Ganshaw (6,183,202). Ganshaw discloses a compressor blade 18 comprising an airfoil having a leading edge and trailing edge, a base attachment 24 having side faces between end faces and a platform 36 having flanges projecting from opposite sides of the blade and cantilevered over at least portions of the side faces. The airfoil is carried by the platform with the leading edge overlying a portion of the flange along the pressure side of the blade. Further the end faces of the base attachment face opposite generally axial directions. Ganshaw also discloses a compressor wheel 12 that includes a generally axially extending groove have a cross sectional configuration corresponding to the configuration of the base attachment of the blade. The groove also has a recess for receiving the flanges of the blade so as to make the flanges substantially flush with the outer rim of the wheel (Figure 1).

CONCLUSION

Allowable Subject Matter

Claims 6-11 are allowed.

Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 3745

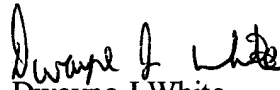
DiBella (US 6,945,754) discloses a rotor blade having a platform and flanges and a wheel wherein the groove of the wheel has recesses for receiving the platform flanges.

Contact Information


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dwayne J. White whose telephone number is (571) 272-4825. The examiner can normally be reached on 7:00 am to 4 pm T-F and alternate Mondays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on (571) 272-4820. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Dwayne J White
Patent Examiner
Art Unit 3745

DJW


EDWARD K. LOOK
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700
10/12/05